

700+ PDF
FDA drug label
documents



PDF Parser

- Extract texts in documents
- Locate clinical trial chapter



Data Cleaning

- Shrink file size
- Remove unnecessary info



Prompt Engineering

- Summarize each clinical study
- Match clinical trial with drug label

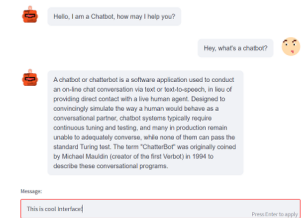


OpenAI
ChatGPT 4.0



Data pipelines

- Create clinical trial and efficacy nodes
- Build knowledge graph



Raw Input

Data Processing and
Knowledge Graph

ChatBot
for Clinical Trial Query